

EPA REGION III REC NEWSLETTER JANUARY 2003

COMMANDER NAVY REGION
MID ATLANTIC REGION



Working for Tomorrow's Environment Today

We have made every effort to ensure that the information provided is accurate and that all significant Legislative, Regulatory, Federal, EPA, news and information have been included in the REC update. If you have an important issue or information that you would like to be included in our monthly update or believe that information we have provided is incorrect, please contact us at 757-445-8899 or via email DODRECREGION3@comar.navy.mil.

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SPOTLIGHT ON

Naval District Washington

Low Impact Development Has High Impact Results

By Jessica L. Moskowitz

EFA CHESAPEAKE--Every time it rains, pollutants are being washed from urban areas directly into local receiving bodies of water via storm water runoff. To manage this urban runoff, the Naval District Washington (NDW) recently completed a series of urban-retrofit pilot projects called Low Impact Development (LID).

This demonstration project, under the direction of the Atlantic Division, was initiated to maintain and restore the water quality of the Anacostia and Potomac Rivers as well as the Chesapeake Bay as the result of a lawsuit filed by the former Sierra Club Legal Defense Fund. LID



techniques were applied to parking lots, roadways and open spaces throughout the NDW facilities aiming to prevent future pollution and encourage environmentally conscious site design in order to comply with various conservation standards.

In 1996, the Sierra Club Legal Defense Fund, currently known as Earthjustice, filed a lawsuit against the Navy for violating the Clean Water

Act and the Resource Conservation and Recovery Act at the Washington Navy Yard. The Navy settled the case in 1998. During mediation, the Navy agreed to incorporate innovative methods to control urban storm water runoff into future projects at the Washington Navy Yard. LID is an example of such an effort.

LID is the use of storm water management controls to filter pollutants and control the flow of runoff waters into nearby bodies of water and wetlands. Now, more than ten different types of LID techniques are in use at NDW in the parking areas of Willard Park and the Dental Clinic. These parking lots have been retrofitted, or modified, with the main component of LID - bioretention. Simply defined, bioretention is a landscaping technique that uses specialized soils and plants to filter pollutants, reduce runoff volume and control the timing of runoff. For example, bioretention can be seen in the form of



Street Tree Box

long landscaped strips between parking isles, planter islands near buildings, rain barrels connected to building downspouts, small paving inlets and street tree boxes. Street tree boxes filter

pollutants, in addition to retaining storm water runoff, to help trees survive during times of drought.

Another LID technology used at the NDW sites is the permeable pavers - individual pavement blocks with gravel filled gaps that allow storm water to diffuse into a stone filled water storage area below the pavement. Permeable pavers are effective in slowing the rate of storm water flow and minimize flooding. The practice of soil amendment produces similar results as the permeable pavers. The addition of organic material, such as mulch, topsoil and compost enhance the water retaining capacity of the soil. This, in turn, reduces the rate of storm water runoff, filters pollutants and conserves excess water for landscaping.

“LID will capture and treat the first flush of storm water runoff of a rain event where most of the contaminates occur,” environmental engineer Lance Laughmiller said. “The use of LID as a different storm water management process is the only practical way to reach new surface water quality restrictions for both contaminate loading and run off volume.”

Lance, involved in the project through LANTDIV, works with the Installation Renovation Division. LANTDIV was also responsible for the direction of the construction

contractor at NDW implementing this project for NDW Environmental. The work was done through EFA Chesapeake’s ROICC NDW with Lance as the Remedial Project Manager.

Overall, the LID retrofitting cost was in excess of \$180,000. Since the project was a demonstration, the cost of a normal retrofitting development project would be less. The finished product also verified there will be no loss of parking spaces. Now that the project is completed, there will be very little maintenance needed aside from normal grounds maintenance at the facility.

“We have worked with this regional command and the NAVFAC Criteria office to bring in LID training and to try to spread the knowledge throughout the command and integrate it into our process from planning on,” Lance said.

Current and future management plans for development in NDW are beginning to implement LID practices. Project managers are encouraged to create a master plan for their site, which will then be tailored to incorporate LID techniques. Presently, plans have already been designed for LID projects at the US Naval Observatory, Anacostia Annex and the Potomac Annex. According to Lance, the pilot project was successful and will serve as an educational example for future storm water runoff control.



Bioretention Island

Street Tree Filter



GENERAL INTEREST

Bush Taps DoD Environmental Chief For Top Army Corps Position

The Bush Administration is preparing to nominate Department of Defense (DOD) environmental policy chief John Paul Woodley Jr. for the top appointed position in the U.S. Army Corps of Engineers, military and other sources say.

The nomination, which would require a Senate confirmation, could herald an effort by the Corps to undercut the efforts of some lawmakers to implement strict reform programs on the Corps by developing and enforcing its own, less-restrictive administrative reform efforts. See full story at:

<https://www.denix.osd.mil/denix/DOD/News/Pubs/PAL/25Dec02/28.doc.html> [Table of Contents](#)

Rumsfeld Eyes Shifting Environmental Duties Away From Army Corps

Secretary of Defense Donald Rumsfeld is considering plans to strip the Army Corps of Engineers of its environmental responsibilities, including its wetlands regulatory duties that it shares with EPA, Army and EPA sources say. An Army official says the move is part of a broader effort by Rumsfeld to move more Army personnel to "core" duties, such as fighting the war on terrorism and other military-focused activities.

An Army source confirmed that officials in the service are aware of informal discussions in the Pentagon about drastic changes to the Corps that would result in the deletion of its civil works mission, including wetlands mitigation, river navigation, dam operation and flood control, but that the Army has not been informed of what those plans would entail. "We are aware of comments made by the Secretary of Defense, but there is nothing formal out there," the official says.

While it is not clear what the impact of such a move would be, any shift in the Corps' responsibilities would likely be significant because EPA and the Corps share wetlands regulatory duties under the Clean Water Act. See related story above and full details at:

<https://www.denix.osd.mil/denix/DOD/News/Pubs/DEA/17Dec02/06.doc.html> [Table of Contents](#)

Land Use Choices Will Drive New Brac Cleanup Costs, Dubois Says

The Defense Department will be working with communities affected by the upcoming 2005 base closure round to choose reuse options that require minimal cleanup, thereby speeding the transition to civilian control of the land and keeping remediation costs in check, Raymond DuBois, DOD deputy under secretary for installations and environment, told reporters Dec. 20.

DuBois said one of the biggest grievances -- and something he called "a legitimate complaint" -- from previous BRAC rounds is that it has taken too long to transfer a base into an economically viable civilian site once a decision is made to close an installation. But the Bush administration is "going to address the disposal issue up front" to lessen the time between closure, removal of military missions, and the economic redevelopment of that property, he said. "It serves no useful purpose to have that time any longer than it needs to be, which means you've got to think ahead, which means that communities which are ultimately impacted would serve themselves well to . . . work with us [on] how [to] most quickly transition to [a] private sector economic basis. . . ." See details at:

<https://www.denix.osd.mil/denix/DOD/News/Pubs/DEA/31Dec02/02.doc.html> [Table of Contents](#)

EPA Launches Pollution Prevention Revitalization Effort

EPA and the White House are launching an effort to revitalize and integrate their pollution prevention (P2) programs by convening a meeting of key offices with responsibility for P2, according to EPA officials. The meeting represents the first time these programs have convened during the Bush administration to coordinate their P2 policies, sources say.

John Howard, the White House's federal environmental executive, the Office of Solid Waste & Emergency Response (OSWER) and the Office of Pollution, Prevention & Toxic Substances (OPPTS) are meeting to discuss ways of combining their "disparate P2 efforts [into a] single coherent strategy," one top EPA official says. For details see:

<https://www.denix.osd.mil/denix/DOD/News/Pubs/PAL/25Dec02/30.doc.html> [Table of Contents](#)

Pentagon Seeking Research On Water, Encroachment And Uxo Issues

The Defense Department's environmental and research priorities for fiscal year 2004 are focused on improving groundwater and sediment cleanups, preventing noise-related encroachment battles with nearby development, understanding marine mammal behavioral ecology, reducing threats to endangered species, eliminating toxic chemicals from ammunition manufacturing, and improving unexploded ordnance (UXO) detection and discrimination. See:

<https://www.denix.osd.mil/denix/DOD/News/Pubs/DEA/03Dec02/08.doc.html> [Table of Contents](#)

Dingell Letter Suggests New Fight On Environmental Relief For DOD

New Defense Department efforts to win exemptions from environmental laws will likely face strong opposition from key Democrats and state officials when lawmakers return for the 108th Congress after the military failed to win exemptions from a host of environmental laws in the 107th Congress. Observers expect the Bush administration and some congressional Republicans to make a strong push for the exemptions following the Republican takeover of the Senate. See details at:

<https://www.denix.osd.mil/denix/DOD/News/Pubs/DEA/03Dec02/25.doc.html> [Table of Contents](#)

Audit: Navy Fulfilling Environmental Training Requirements

A recent Navy audit survey found that Navy personnel are receiving their required environmental training and that the service's environmental violations are not stemming from a lack of training. The Naval Audit Service reviewed 181 training records at 13 activities or commands to evaluate whether personnel had received their required environmental training for hazardous waste and asbestos handling. "The review disclosed that the Navy and Marine Corps activities were providing the required training for the positions reviewed," the Nov. 1 report says. "Only minor administrative discrepancies were noted." See : <https://www.denix.osd.mil/denix/DOD/News/Pubs/DEA/03Dec02/23.doc.html> [Table of Contents](#)

Engine Lubricating Oil - Federal Government Use and Disposal

GSA has published a report addressing use and disposal of engine lubricating oil within federal agencies including DoD. In addition to statistics, the report contains a brief discussion of three options for reducing cost and amount of oil used. Options included bypass filters, synthetic lubricating oils, and oil analysis programs. See: <http://www.gao.gov/new.items/d03340.pdf>

Whitman Emphasizes Need to Fund Superfund Cleanups More Efficiently

EPA Administrator Whitman tells the National Advisory Council on Environmental Policy and Technology superfund committee that it is important for the panel to recommend ways EPA can more efficiently fund cleanups, as the superfund program budget is not likely to increase in the near future. The agency last year formed the superfund committee to study the future of the program and to suggest how to fund cleanups more efficiently. EPA plans to announce early this year the One Cleanup Program to coordinate waste cleanup programs. For full story see:

<https://www.denix.osd.mil/denix/DOD/News/Pubs/DER/09Jan03/32.doc.html>

TRUE CRIME STORIES

Alaska Superior Court Convicts Man For Puncturing Pipeline With Bullet

An Alaska Superior Court jury has convicted a man on charges of shooting the bullet that pierced the Trans-Alaska pipeline near the small community of Livengood in October 2001, causing a 285,000-gallon spill of crude oil (State of Alaska v. Daniel Lewis, Alaska Superior Ct., No. 4FA-S01-3111-CR, 12/6/02).

The jury in Fairbanks took less than a day to render its verdict 6 December 2002 against Daniel Lewis, who was arrested shortly after the 4 October 2001, shooting. The jury convicted Lewis on all five counts against him--felony charges of criminal mischief, assault, and drunk driving, and misdemeanor charges of oil pollution and weapons misconduct.

Livengood is at the halfway point of the 800-mile pipeline and is about 50 miles north of Fairbanks. Lewis faces a sentence of up to 22 years in jail on all counts, said Assistant Alaska Attorney General Brian Clark, head of the state's Office of Special Prosecutions. A sentencing hearing is not expected for a few months, he said. Moral of the story: Don't shoot oil pipelines. For full story see:

<https://www.denix.osd.mil/denix/DOD/News/Pubs/DER/11Dec02/15.doc.html> [Table of Contents](#)

Construction Company, Managers Indicted For Alleged Dumping in Houston Area

A Harris County grand jury indicted one of the state's largest road and bridge construction contractors and three managers for allegedly dumping hazardous waste into ditches and streams leading to the Houston Ship Channel (Texas v. Williams Brothers Construction Co. , Tex. Dist. Ct., No. 0933103, 12/11/02).

The indictment charged Williams Brothers Construction Co. of Houston and three of its managers with 10 felonies and six misdemeanors after allegedly dumping high pH concrete wastewater and sludge, Roger Haseman, chief prosecutor for the Harris County District Attorney's Environmental Crimes Division, said Dec. 19. The Texas Water Code Chapter 7.145 violations occurred on four different days in the spring and summer of 2001. See entire story:

<https://www.denix.osd.mil/denix/DOD/News/Pubs/DER/23Dec02/26.doc.html> [Table of Contents](#)

Dredging Company to Pay Nearly \$1 Million for Damaging Florida Seagrass

An Illinois dredging company agrees to pay the National Oceanic and Atmospheric Administration nearly \$1 million for damaging natural resources in the Florida Keys National Marine Sanctuary, according to the Department of Justice. The department says Great Lakes Dredge and Dock Co. of Oak

Brook, Ill., is responsible for damaging more than 200,000 square feet of seagrass in the sanctuary and will pay NOAA \$969,000 for reimbursement and repair costs. The Justice Department says the settlement is the largest ever obtained for damages to seagrass in the Florida sanctuary. See: <https://www.denix.osd.mil/denix/DOD/News/Pubs/DER/24Dec02/27.doc.html> [Table of Contents](#)

Baltimore Storage Facility to Pay Fine, Comply With Waste Law in EPA Settlementⁱ

A&A Metal Finishing Corp. in Baltimore agreed to pay a \$30,000 penalty and to comply with federal and state hazardous waste regulations as part of an administrative consent agreement with the Environmental Protection Agency, the agency said Dec. 30.

Inspections by EPA and the Maryland Department of the Environment in June and October 2001 found violations of the federal Resource Conservation and Recovery Act, according to EPA's March 2002 complaint. RCRA governs the treatment, storage, and disposal of hazardous waste. The company, now called A-1 Plating, is located on 4000 East Monument St., Baltimore. Company President David Naumann could not be reached Dec. 31 for comment.

EPA alleged A&A operated a hazardous waste storage facility without the required permit; failed to perform required hazardous waste determinations; improperly stored hazardous waste for more than 90 days; failed to label and mark hazardous waste containers properly; stored hazardous waste in open containers; and failed to comply with other personnel training, contingency plan, and disposal requirements.

The hazardous wastes involved in the alleged violations include industrial wastewater sludge, spent cyanide solution, and zinc plating bath solution, according to EPA. [Table of Contents](#)

FEDERAL NEWS

AIR

States Claim to Be Prevented From Adopting Stricter Rules Than EPA

States are often prevented from adopting stricter environmental regulations than those of EPA, argue state and local air pollution regulators. As a result, states rely on strong EPA regulations to be able to protect environmental quality, according to a study by the State and Territorial Air Pollution Program Administrators and the Association of Local Air Pollution Control Officials. "EPA says states are able to go further than their regulations," the association's executive director says in announcing the study. "All too often, our hands are tied," he adds. However, Jeffrey Holmstead, assistant EPA administrator for air and radiation, says, "The Clean Air Act is very clear. Any state that wants to adopt rules more stringent than federal law is able to do so." For more information see:

<https://www.denix.osd.mil/denix/DOD/News/Pubs/DER/18Dec02/26.doc.html> [Table of Contents](#)

Air Pollution Limits Proposed for Stationary Engines at Industrial Plants

EPA proposes emissions limits for hazardous air pollutants from reciprocating internal combustion engines, with provisions to exempt low-risk facilities from emissions control requirements. While the

most common use for internal combustion engines is to power automobiles, approximately 37,000 are used at power plants, chemical and manufacturing plants, pipeline compressor stations, and other industrial facilities to supply emergency power and for other uses. The proposal would apply to engines above 500 horsepower and at major industrial sources of air toxics. EPA estimates the proposed standards will apply to about 10,000 new and existing engines. For more information see:

<https://www.denix.osd.mil/denix/DOD/News/Pubs/DER/19Dec02/14.doc.html> [Table of Contents](#)

Eastern States Could Invoke NOx Reductions All Year, Derive More Benefits, Report Finds

If the Environmental Protection Agency required states to reduce nitrogen oxide emissions year-round rather than during the summer only, 21 Eastern states could double their benefits, while utility costs would increase 27 percent annually, an environmental group report said Dec. 18.

An Environmental Defense report, A Plan for All Seasons: Costs and Benefits of Year-Round NOx Reductions in Eastern States , shows operating pollution control equipment year-round to reduce the ozone-forming NOx and other pollutants will cost power plants 27 percent more, an increase of about \$582 million for the Eastern states over the cost of running just the seasonal program. See :

<https://www.denix.osd.mil/denix/DOD/News/Pubs/DER/19Dec02/16.doc.html>

Substances Added to List of Alternatives to Ozone-Depleting Chemicals

Ten substances are added to the EPA list of acceptable alternatives to ozone-depleting chemicals used in the refrigeration and air conditioning, solvent cleaning, fire suppression and explosion protection, and aerosol industries. The list of acceptable substitutes for ozone-depleting substances is designed to expedite the transition from ozone-depleting substances to alternatives that pose little or no adverse environmental impacts. See link:

<https://www.denix.osd.mil/denix/DOD/News/Pubs/DER/23Dec02/21.doc.html> [Table of Contents](#)

Economic Slowdown Credited for Reduction of Greenhouse Gas Emissions

Emissions of greenhouse gases caused by human activity declined slightly in 2001 compared to the previous year for a number of reasons, including the drop in overall economic growth, according to the Department of Energy's Energy Information Administration. The agency says the 1.2 percent decrease from 2000 to 2001 is the largest annual decline in total U.S. greenhouse gas emissions during the 1990 to 2001 time frame. The Energy Information Administration does not say the decrease is the result of intentional efforts to reduce industrial emissions.

<https://www.denix.osd.mil/denix/DOD/News/Pubs/DER/23Dec02/20.doc.html> [Table of Contents](#)

Beaches Environmental Assessment and Coastal Health Act (BEACHES)

In October 2000, Congress added Section 406 to the Clean Water Act (CWA), commonly referred to as the Beaches Environmental Assessment and Coastal Health Act of 2000 (BEACH Act). The Act requires states, tribes and federal facilities with coastal recreational waters that have public access to develop and implement monitoring and notification programs consistent with the requirements in the Act. States were also required to adopt new or revised water quality standards by 10 Apr 04 for pathogens and pathogen indicators for which EPA has published criteria under CWA section 304(a). EPA guidance is available at <http://www.epa.gov/ost/beaches/grants/index.html#guide> .

NATURAL RESOURCES

Administration Issues Guidance, Action Plan for Replacing Wetlands

The Bush administration released new regulatory guidance and an action plan Dec. 27 governing how wetlands lost to development must be replaced. The guidance and the action plan affirm the administration's commitment to ensure "no net loss of our nation's wetlands," according to a joint statement by EPA and the U.S. Army Corps of Engineers. In implementing the guidance and the action plan, the corps may move away from its traditional practice of requiring wetlands lost to development to be replaced by an equal or larger amount of newly created wetlands. The corps may now evaluate the actual value of restoration activities to a watershed or ecosystem, which could result in fewer total acres of wetlands created. For full article see:

<https://www.denix.osd.mil/denix/DOD/News/Pubs/DER/31Dec02/14.doc.html> [Table of Contents](#)

National Invasive Weeds Awareness Week (24 - 28 February 2003 Washington, DC): Invitation to Display Posters and Exhibitions

The Invasive Weed Awareness Coalition is pleased to invite you to present a display of invasive plant posters and exhibits. The exhibit location will be the world famous U.S. Botanic Garden Conservatory in Washington, DC. The Conservatory is located adjacent to the Capitol and Congressional Office Buildings and provides an ideal location for participants who wish to contact congressional representatives or Hill staffers. In addition, the newly renovated Conservatory is attracting many visitors who are likely to be interested in the information contained in your educational posters and exhibits. For details see:

<https://www.denix.osd.mil/denix/Public/News/OSD/NIWAW/niwaw4posterinvite.doc> [Table of Contents](#)

Coast Guard Proposes Mandatory Reports on Ballast Water Management

Ships entering U.S. waters that fail to submit to the U.S. Coast Guard records of their ballast water management activities would be subject to fines of up to \$25,000 per day under a proposed rule to be published today. The reports are now voluntary. The proposal would make submission of the records mandatory and would impose penalties for noncompliance, which the Coast Guard says will increase its ability to protect against the introduction of new aquatic invasive species in the United States from ballast water discharges. <https://www.denix.osd.mil/denix/DOD/News/Pubs/DER/06Jan03/14.doc.html>

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WATER

California Revises Proposed Goal for Perchlorate in Drinking Water

California health officials release a proposal calling for a stricter public health goal for perchlorate in drinking water than it recommended earlier this year. Instead of proposing a 6 parts per billion level for the chemical commonly used as a propellant in rocket fuels and missiles, the state Office of Environmental Health Hazard Assessment now is proposing that the public health goal should range from 2 ppb to 6 ppb. Some health studies have linked perchlorate to thyroid dysfunction, birth defects and developmental problems, and some types of cancer. For full article see:

<https://www.denix.osd.mil/denix/DOD/News/Pubs/DER/10Dec02/30.doc.html> [Table of Contents](#)

Measures Adopted to Protect Assessments of Threats to Drinking Water

EPA adopts strict measures to ensure the security of the vulnerability assessments drinking water utilities must submit under the new bioterrorism law. The assessments will be kept in a secure location and only individuals designated by the administrator will have access to them. The protocol is required by the Public Health Security and Bioterrorism Preparedness and Response Act. Title IV of that law amends the Safe Drinking Water Act to require all utilities serving more than 3,300 people to assess the vulnerability of their systems to terrorism and to file those assessments with EPA. For full article go to: <https://www.denix.osd.mil/denix/DOD/News/Pubs/DER/09Dec02/16.doc.html> [Table of Contents](#)

EPA Proposes to Withdraw TMDL Rule, While Working on 'Watershed Rule'

EPA proposes to withdraw a regulation to revise the total maximum daily loads program. The proposed rule would only withdraw the TMDL regulation published July 13, 2000, and does nothing regarding a new EPA rulemaking to revamp the impaired waters program. EPA officials also are working on a regulation known as the Watershed Rule, intended as an information-based approach to watershed planning to address impaired waters. Congress had barred implementation of the TMDL rule, and the Bush administration pulled it back for a review. The rule would have taken effect in April 2003 if no rulemaking were undertaken to withdraw it. For full story see: <https://www.denix.osd.mil/denix/DOD/News/Pubs/DER/23Dec02/29.doc.html> [Table of Contents](#)

EPA to Form Council to Boost Watershed Approach for Cutting Pollution

In an effort to advance a watershed approach to pollution control, the head of EPA's water office calls for a management council to help identify barriers and develop opportunities. The Watershed Management Council would be composed of senior officials from each of the five program offices within the EPA Office of Water and the 10 regional water management divisions. G. Tracy Mehan, EPA assistant administrator for water, discusses the council in a memo to the directors of the water program offices and regional water management divisions. See details at: <https://www.denix.osd.mil/denix/DOD/News/Pubs/DER/10Dec02/22.doc.html> [Table of Contents](#)

Supreme Court Appeal Planned for Ruling on Waters Impaired by Runoff

An appeals court ruling that federal regulators can force a state to place a river impaired solely by nonpoint sources on its impaired waters list will be appealed to the U.S. Supreme Court, says Timothy Bishop, the Chicago attorney representing the California Farm Bureau and Guido Pronsolino, among others. Bishop says the U.S. Court of Appeals for the Ninth Circuit denied a request in early October for a hearing before the full panel. For more in-depth information go to: <https://www.denix.osd.mil/denix/DOD/News/Pubs/DER/18Dec02/14.doc.html> [Table of Contents](#)

Federal Court Rejects Challenge to Spraying For Mosquito Control in New York City *

Spraying of insecticides directly over navigable waters near New York City does not violate the Clean Water Act, a federal court in New York ruled Nov. 26 (No Spray Coalition Inc. v. The City of New York, S.D.N.Y., No. 00-5395, 26 Nov 02).

Upholding New York City's mosquito eradication program against a citizen suit challenge, Judge John S. Martin of the U.S. District Court for the Southern District of New York held the plaintiffs' Clean Water Act claims were barred by the Federal Insecticide, Fungicide, and Rodenticide Act, which does not provide for private suits challenging pesticide applications.

"When Congress made a deliberate decision not to provide a private right of action under FIFRA, it did not intend to permit private parties to circumvent that decision through an action under the Clean Water Act," the judge wrote, quoting from an earlier, unreported decision in the case. Read the full story: <https://www.denix.osd.mil/denix/DOD/News/Pubs/DER/18Dec02/20.doc.html> [Table of Contents](#)

**Although this is not specific to Region III, it does show a different viewpoint from the decision in the Ninth Circuit Court that decided an airplane constitutes a "point source" discharge. However, Department of Justice is requesting more time to file a rehearing of that ruling. See story below.*

DOJ Seeks More Time To Appeal Key Water Act Ruling On Pesticidesⁱⁱ

Justice Department (DOJ) officials are seeking more time to file for a rehearing of a controversial November appeals court decision that said aerial spraying of pesticides may require Clean Water Act permits.

DOJ asked the U.S. Court of Appeals for the 9th Circuit Court on Dec. 4 to extend the Dec. 19 deadline to petition for a rehearing in *League of Wildlife Defenders, et al. v. Forsgren, et al.*, claiming the decision will "implicate the programs of many federal agencies," according to the request. DOJ asked for an extension until Jan. 21.

In the case, environmentalists sued the U.S. Forest Service on the grounds that it was unlawfully spraying insecticide onto national forests in Washington and Oregon without the necessary clean water permits. In a Nov. 4 decision, the 9th Circuit agreed with the environmentalists, sending shockwaves through the pesticide and agriculture industries. Those sectors fear the new water act permit requirements will delay needed spraying and add costs (Inside EPA, Nov. 8, p1; Dec. 6, p11).

Industry sources and a government official say the Agriculture Department is also asking DOJ to appeal the decision. Several industry groups and a number of Northwestern senators had already pressed DOJ to seek an appeal because of concerns about the ruling's implications. DOJ would not comment on the reported request. [Table of Contents](#)

General Permit Drafted for Stormwater Runoff at Small Construction Sites

The general permit regulating stormwater runoff from construction sites is being revised to include small sites (1-5 acres). The agency says its draft construction general permit under the stormwater program of the Clean Water Act applies to the District of Columbia and states without delegated NPDES permit programs in all EPA regions except for Region IV in Atlanta. The general permit for construction sites in that region does not expire until 2005. See :

<https://www.denix.osd.mil/denix/DOD/News/Pubs/DER/20Dec02/31.doc.html> [Table of Contents](#)

EPA Proposes Clarification for Arsenic Standard for Drinking Water

EPA proposes to clarify the arsenic standard for drinking water to avoid confusion in its implementation. In the proposed change, the standard would be expressed as 0.010 milligrams per liter instead of 0.01 mg/L as it now reads. State drinking water administrators asked EPA for the change, saying they could not effectively implement the new standard as it is written. Many other parties also raised the issue with EPA, according to agency officials. The concern was that state laws adopting the federal law might allow rounding of the standard so the effective standard would be 0.014 mg/L, or 14 ppb, according to EPA. See full story at: <https://www.denix.osd.mil/denix/DOD/News/Pubs/DER/23Dec02/14.doc.html> [Table of Contents](#)

EPA Revises 15 Water Quality Criteria For States to Use in Setting Standards

The Environmental Protection Agency published an update of 15 national recommended water quality criteria in a Dec. 27 Federal Register notice (67 Fed. Reg. 79,091). The human-health based criteria are developed under the Clean Water Act and used by state regulators to set water quality standards for individual bodies of water.

EPA said the standards are used in implementing a number of environmental programs, including setting discharge limits in National Pollutant Discharge Elimination System permits. See full article:

<https://www.denix.osd.mil/denix/DOD/News/Pubs/DER/30Dec02/20.doc.html> [Table of Contents](#)

EPA Drafts Water Quality Criteria for Chemical Used to Protect Ships

EPA announces the availability of draft water quality criteria for tributyltin, a chemical compound used to keep barnacles and other organisms from attaching to ship hulls and other marine structures. Tributyltin has been known to cause reproductive and other adverse effects in shellfish and other aquatic life consumed by humans. There have been reductions in tributyltin concentrations in U.S. waters during the past 25 years due to restrictions on its production and use on ships. See full article at:

<https://www.denix.osd.mil/denix/DOD/News/Pubs/DER/02Jan03/15.doc.html> [Table of Contents](#)

RANGES

States And Dod Reach Agreement On Their Roles In Uxo Cleanups

State regulators and the Defense Department have reached an agreement in principle that lays the groundwork for developing the specifics of a collaborative process for unexploded ordnance (UXO) cleanups. Sources say the agreement on roles and responsibilities and the decision to obtain "mutual agreement" among state and federal regulators and the military at key decision points marks a significant step forward after 18 months of often contentious negotiations over how to develop a national approach to UXO issues. See full story at:

<https://www.denix.osd.mil/denix/DOD/News/Pubs/DEA/03Dec02/01.doc.html> [Table of Contents](#)

Navy To Conduct Nepa Analysis On Explosives Use In Puget Sound

The Navy has agreed to conduct a National Environmental Policy Act (NEPA) analysis of its bomb squad's training in Puget Sound, WA, after an environmental organization raised concerns that the approximately 60 annual demolition exercises kill thousands of fish every year.

But the organization that first raised the issue, Public Employees for Environmental Responsibility (PEER), is pressing the Navy inspector general (IG) and the White House Council on Environmental Quality (CEQ) to investigate why the Navy has allegedly violated NEPA analysis requirements in the past. See: <https://www.denix.osd.mil/denix/DOD/News/Pubs/DEA/31Dec02/08.doc.html> [Table of Contents](#)

STATE NEWS

DISTRICT OF COLUMBIA

D.C. Water Quality Standards Removed From National Toxics Ruleⁱⁱⁱ

The District of Columbia's water quality standards now qualify for removal from the National Toxics Rule (NTR) list. On Dec. 3, the Federal Register published final notice that the District of Columbia (along with several states) qualifies for removal from the list. In 1992, EPA established the NTR and the criteria for states and territories including the District of Columbia to adopt stringent enough standards for the water bodies within their jurisdictions to comply with the requirements of the Clean Water Act.

MARYLAND

Governor Issues Executive Order to Dramatically Reduce Nutrient Levels From Wastewater Treatment Plants

Continuing his commitment to restoring the health of the Chesapeake Bay, Governor Parris N. Glendening signed an executive order instructing the Maryland Department of the Environment (MDE) to develop and implement an Enhanced Nutrient Removal (ENR) policy for wastewater treatment plants (WWTP). The ENR policy will achieve 40-percent of the nitrogen reduction necessary to meet the new 2010 goal announced at the Chesapeake Bay Executive Council meeting two weeks ago. The stated goals for nutrient discharges from WWTP are 3mg/l for nitrogen and 0.3 mg/l for phosphorus. These goals may impact wastewater treatment plants at NAS Patuxent River, NSWC Indian Head, and the Naval Research Laboratory.

“This Executive Order will jump-start Maryland’s efforts as we continue to set the pace for the restoration of the Chesapeake Bay,” said Governor Glendening. “With Enhanced Nutrient Reduction, we will significantly reduce the amount of nitrogen and phosphorus coming out of our waste treatment plants. Today, Maryland takes a major step forward towards meeting our goals and insuring a legacy of environmental protection for our children of which we can all be proud.”

See full story at:

http://www.mde.state.md.us/pressroom/press_releases.asp?featuredonly=no&headlineonly=yes&type=3
[Table of Contents](#)

Governor Glendening Relaxes Water Restrictions in Central Maryland Region

Governor Parris N. Glendening announced that he is lifting the drought emergency declaration for the Eastern Shore and is relaxing water use restrictions that have been in place in Central Maryland since April.

The central region of the State, which includes parts of Baltimore, Howard and Anne Arundel counties served by the City of Baltimore’s water system, will now move from Level Two to Level One water use restrictions. The drought emergency declaration and water use restrictions are being lifted for the eastern region of Maryland. See details at:

http://www.mde.state.md.us/pressroom/press_releases.asp?featuredonly=no&headlineonly=yes&type=3
[Table of Contents](#)

EPA's Environmental Science Center At Fort Meade Earns Certification^{iv}

The Environmental Science Center (ESC) at Ft. Meade, Md., has earned the distinction of being the first EPA facility and the first “non-industrial” Federal facility to be independently registered to the international standard for Environmental Management Systems (EMS). The ESC is currently a spotlight item on EPA's EMS webpage. An EMS is a set of processes and practices that enable an organization to

reduce its environmental impacts and increase its operating efficiency. To learn more, visit the website at <http://www.epa.gov/ems/> [Table of Contents](#)

Maryland Department of the Environment Issues Permit for Army to Neutralize Mustard Agent Stockpile

MDE has issued a permit modification to the U.S. Army Aberdeen Proving Ground (APG) that authorizes operation of a facility that will be used to chemically neutralize a stockpile of mustard agent that is stored there.

“Maryland will be the first state in the nation to have its stockpile of chemical warfare agents completely destroyed,” said MDE Secretary Richard F. Pecora. “MDE will be working closely with the Army and its contractors to ensure that this process is done safely and with no threat to the health of the public or the environment.” See details at : <http://www.mde.state.md.us/> [Table of Contents](#)

Storm Water Phase II Updates

Maryland is taking a phased approach for development of small MS4 general permits. A permit for municipalities was advertised in November 02 and a public hearing regarding this permit is scheduled for 21 Jan 03. A separate general permit is being developed for federal and state facilities. MDE anticipates advertising this permit sometime in February 03. According to MDE, after the general permit is approved federal facilities will be given a reasonable time period to submit applications. The Maryland general permit for small construction activities is currently being advertised and is available for review on the MDE website. The comment period ends on 10 Jan 03. Maryland expects the permit to be effective by 10 Mar 03. For more information go to:

http://www.mde.state.md.us/Permits/WaterManagementPermits/water_permits/index.asp

PENNSYLVANIA

Governor Schweiker Administration Highlights ‘Greening’ Of State Government

Department of Environmental Protection (DEP) Secretary David E. Hess and Department of General Services (DGS) Secretary Kelly Powell Logan, co-chairs of the Governor’s Green Government Council (GGGC), highlighted the Ridge and Schweiker administrations’ accomplishments in adopting environmentally friendly policies and practices. “Pennsylvania was the first state in the nation to address environmental sustainability, which is the practice of balancing environmental protection and human development,” Secretary Hess said today during a meeting of the GGGC. “Sustainability requires us to change the way we do business. The GGGC has given state government a deeper understanding of the environmental impact of its actions.” For full details see:

<http://papress.state.pa.us/ctc/data/20021212.009.htm> [Table of Contents](#)

Gov. Schweiker Lifts Drought Emergency In Final Three Counties -12 Counties Returned to Normal Status

Gov. Mark Schweiker lifted the drought emergency in Cumberland, Chester and Delaware counties, while returning 12 counties to normal status.

“Finally precipitation totals have thankfully returned to the normal range in these counties,” Gov. Schweiker said. “Surface water flows have made a sustained recovery, and groundwater levels have shown marked improvement over the past month. These status changes should hold over the winter,

barring any extreme weather events.” See details at:

<http://www.dep.state.pa.us/newsreleases/default.asp?ID=2152&varQueryType=Detail>

Guidelines For Preparedness, Prevention, And Contingency Plans

DEP has issued a final technical guidance to provide guidelines for developing and implementing a Preparedness, Prevention and Contingency (PPC) plan for generators and burners of waste, or used, oil. The used oil regulations contain a requirement for generators and burners of used oil to develop a preparedness, prevention and contingency plan for addressing spills and other emergencies involving used oil. In response to various concerns and comments submitted to the Department, this draft guidance was prepared to assist in developing much simpler, streamlined PPC plans for generators of used oil. http://www.dep.state.pa.us/dep/subject/Draft_technical_guidance/ppc_plan_-_waste_oil_draft-3.pdf

[Table of Contents](#)

Stormwater Phase II Update

The Pennsylvania general permit for small MS4s (includes federal facilities in designated urban areas) was effective in 8 Dec 02. Regulated facilities must apply for permit coverage by 10 Mar 03. The Pennsylvania general permit for small construction activities was effective 9 Dec 02. Small construction projects ongoing as of 9 Dec 02 will need to submit a registration statement by 10 Mar 03. MDE recommends allowing 30 – 40 days for small construction site permit review and approval. Get the gouge at:

http://www.dep.state.pa.us/dep/deputate/watermgt/wqp/Forms/Forms_Home.htm#NPDES_PAGs

VIRGINIA

Stormwater Phase II Update

The Virginia general permit for small MS4s (includes federal facilities in designated urban areas) was effective 9 Dec 02. Regulated facilities must apply for permit coverage by 10 Mar 03. The Virginia general permit for small construction activities was effective 4 Dec 02. Small construction projects ongoing as of 4 Dec 02 needed to submit a registration statement by 3 Jan 03. Small construction projects beginning after 4 Dec 02 must submit a registration statement at least 2 days prior to commencement of construction activities. The VADEQ Tidewater Regional Office will hold informational meetings on both regulations 16 Jan 03. To get the skinny:

<http://www.deq.state.va.us/regulations/xwaterregs.html>

CHESAPEAKE BAY PROGRAM

Chesapeake Bay Program Plant Invaders Publication^{vvi}

The Chesapeake Bay Program has released a new guidebook, Plant Invaders of Mid-Atlantic Natural Areas, which provides homeowners with information and color photos of 49 species of highly invasive plants affecting aquatic and terrestrial natural areas in Maryland, Virginia, Pennsylvania, Delaware, West Virginia, New Jersey and the District of Columbia. The guide was produced by the U.S. Fish and Wildlife Service's Chesapeake Bay field office and the National Park Service through a grant from the National Fish and Wildlife Foundation and with contributions from the Chesapeake Bay Foundation. Information on targeted species is organized by type of plant for ease of reference and includes the

history of introduction, ecological threat, method of spread, habitats impacted, control options, and the use of alternative native plants. To request a copy, please email your request to mary_cordovilla@fws.gov or call the National Park Service, Center for Urban Ecology at 202-342-1443, ext. 218. [Table of Contents](#)

Chesapeake Bay Gateways Network Reauthorized^{vii}

President Bush signed Public Law 107-308, the North American Wetlands Conservation Reauthorization Act, on Dec. 2. The Act includes provisions reauthorizing the Chesapeake Bay Gateways Network for another five years, through 2008.

The Chesapeake Bay Gateways Network is a partnership system of over 115 parks, refuges, historic sites, maritime museums and water trails around the Chesapeake Bay watershed. Through Chesapeake Bay Gateways visitors can experience, enjoy and learn about the Chesapeake's diverse stories and special places. The Gateways Network is coordinated by the National Park Service in partnership with the Chesapeake Bay Program. The original authorization for the Gateways Network would have expired in 2003. More information on the Gateways Network is available at www.baygateways.net. [Table of Contents](#)

New Survey Shows Concern About Bay Health

A survey by the Chesapeake Bay Program and Virginia Tech University shows that nearly 90 percent of Chesapeake Bay watershed residents are concerned about the health of the bay and its rivers and streams. Yet the survey also shows that nearly half the residents do not understand that their daily actions have a direct impact on water quality locally and in the bay. For more information and a copy of the report on bay watershed residents' knowledge, concerns and perceptions about the bay and its restoration, please visit <http://www.chesapeakebay.net/survey.htm>. [Table of Contents](#)

Revised Draft Water Quality Criteria Implementation Procedures

The revised draft proposed regional-based dissolved oxygen, water clarity and chlorophyll water quality criteria and recommended implementation procedures are available for public review from December 3, 2002 through January 13, 2003. To view the document please check the following web address: <http://www.chesapeakebay.net/baycriteria.htm>

Chesapeake Bay Designated Use Document

The Technical Support Document for the Identification of Chesapeake Bay Designated Uses and Attainability is now available for public review. The comment period will go through Jan 26, 2003. The document can be viewed at : www.chesapeakebay.net/bayTSD.htm

PERSONAL DEVELOPMENT

CONFERENCES

Industrial Wastewater and Best Available Treatment Technologies 25-28 FEB 03, Nashville, TN

USEPA and Vanderbilt University are co-sponsoring the conference. The conference will provide a forum to share experiences and lessons learned. Representatives of academia, government, and industry will convene to examine and discuss industry trends and technology advances as they affect regulatory compliance and sustainable growth. For further information, visit the conference website at:

<http://frontweb.vuse.vanderbilt.edu/bat/>. [Table of Contents](#)

29th Environmental and Energy Symposium and Exhibition 7-10 April 03, Richmond, VA

Sponsored by the Environment and Energy Division and the National Defense Industrial Association, the symposium will provide a national forum for the exchange of technical information, government policy, regulations, programs and laws; and new ideas on environmental and energy issues and areas of concern. For further information visit the symposium website at:

<http://register.ndia.org/interview/register.ndia?PID=Brochure&SID=0U00KARW7&MID=3440> or contact Derek Jenks at djenks@ndia.org. [Table of Contents](#)

National Pollution Prevention Roundtable Spring Conference 8-11 April 03, Louisville, KY

The P2 Roundtable will bring together the most preeminent pollution prevention practitioners and experts to share the latest in policy, regulatory, and technical information. The meeting will feature special tracks on: Environmental Management Systems and P2, international sustainability policy discussions as a follow-up to the World Summit, and P2's role in addressing global climate change challenges. For further information, visit the NPPR website:

<http://www.p2.org/events/spring2003/>. [Table of Contents](#)

Real World Clean Air Symposium 19-22 MAY 03, Seattle, WA

The event is sponsored by US Army Forces Command, Hill Air Force Base, Fort Irwin, the West Coast Section of the Air and Waste Management Association, with support from the Army Training and Doctrine Command, the US Army Environmental Center, and USEPA. For further information, contact Michelle Kubal, (937) 254-7950, ext. 1168, e-mail: mkubal@anteon.com, or visit the Symposium website at: www.usasymposium.com.

Region 3 Environmental Colloquium 9-11 SEP 03, Williamsburg, VA

The Colloquium is scheduled to be held at the Williamsburg Marriott Hotel, Williamsburg, Virginia from September 9 to 11, 2003. For further information, contact Jim Hartman, Chief, Northern Regional Environmental Office, (410) 436-7096, DSN 584, e-mail: james.hartman@aec.apgea.army.mil. [Table of Contents](#)

REGIONAL MEETINGS

Maryland Pollution Prevention Partnership (MP3) Meeting

The next MP3 meeting will be held at Naval Service Warfare Center, Indian Head on 5 FEB 03. The theme of the meeting is recycling. Scheduled speakers are Ron Deberry of the Defense Reutilization and Marketing Service, Clif Dowling of the Northeast Maryland Waste Disposal Authority, and Mike Giuranna of the EPA. For further information, contact Gary Koerber gkoerber@cmar.navy.mil at (757) 444-5155. [Table of Contents](#)

Virginia Pollution Prevention (P2) Partnership Meeting

The next Virginia P2 meeting will be held at VDEQ's Piedmont Regional Office in Richmond, Virginia on 21 JAN 03. The meeting will focus on partnership goals and direction. Other topics/presentations include VDEQ priorities for 2003, the Virginia Tech EMS training program, EPA's Environmental Management Review program, and the Virginia Manufacturers Association P2 interests. VADEQ Director, Bob Burnley, will also address the group. For further information, please contact Will Bullard at wbullard@cmar.navy.mil or by calling (757) 444-5153. [Table of Contents](#)

Pennsylvania Cooperative Multi Site Agreement (CMSA) Meeting

The next meeting for the CMSA will be held in Harrisburg, PA on 19 FEB 03, 9:00 AM-4:00 PM. The meeting will take place in the Rachel Carson State Office Bldg, 14th floor. For additional information, please contact Mr. Gary Moulder at gmoulder@state.pa.us or at (717) 787-7566. [Table of Contents](#)

TRAINING

Intermediate Health Risk Communication Workshop 27-30 JAN 03, Norfolk, VA- 12-15 MAY 03, San Antonio, TX

Hosted by USACHPPM, the intermediate workshop builds on the basic understanding and skills learned in the introductory course, providing the participant with hands-on experience in applying the steps of the process, on-camera media practice, and seminar-style discussions of “hot” issues impacting military health and readiness. For further information, contact Kita Perry, (410) 436-3515, e-mail: suaquita.perry@apg.amedd.army.mil, or visit the website at: <http://chppm-www.apgea.army.mil/risk/>.

Army Environmental Training Symposium/ Workshop 23 -28 March 03, To be Determined

Hosted by the US Army, the workshop will consist of numerous environmental short courses and seminars, and is intended to provide (1) awareness and training in Army environmental programs and specific environmental subject areas; (2) preparation for the new installation management business models (i.e., Transformation of Installation Management and Environmental Management Systems; and (3) improved installation staff opportunities to obtain program updates and share lessons learned. The workshop will focus on installation level requirements. For further information, please contact Susan West, US Army Training and Doctrine Command, (757) 788-2279, e-mail: wests@monroe.army.mil; or

Susan Thomas, USAEC, (410) 436-6899, e-mail: Susan.Thomas@aec.apgea.army.mil. [Table of Contents](#)

USACE Various Environmental Training Multiple Dates/Multiple Locations

The US Army Corps of Engineers (USACE) Professional Development Support Center has released the FY 03 course schedule, found at: <http://pdsc.usace.army.mil/CourseScheduleNewFY.asp>. Information on various environmental courses may be found on the site either by searching with a keyword or by using the course number (CN). Environmental courses include Clean Air Act Workshop (CN 443), CERCLA/RCRA Remediation Processes, (CN 356) Environmental Regulatory Practical Application (CN 398), and many others.

USEPA Regions 1, 2, 3, & 5 Training Courses Multiple Dates/Multiple Locations

USEPA Regions 1, 2, 3, & 5 continually offer training on a variety of subjects. For further information regarding the types of courses, dates, and locations, visit USEPA's training exchange website at: www.trainex.org.

CECOS Courses

CECOS offers 56 different courses with 222 individual course offerings. Provided below are the environmental courses available for the next three months. There is no tuition charge for Department of Defense military personnel or civilian employees for resident training. For further information on the courses and/or to register, visit the CECOS training website at:

<https://www.cecocos.navy.mil/schedule.asp>. [Table of Contents](#)

START DATE	END DATE	COURSE TITLE	LOCATION
03-Feb-03	05-Feb-03	Introduction to Hazardous Waste Generation and Handling	Lemoore, CA
10-Feb-03	10-Feb-03	RCRA Hazardous Waste Review	Gulfport, MS
10-Feb-03	14-Feb-03	Pollution Prevention Program Operations and Management	Satellite Course
11-Feb-03	13-Feb-03	Introduction to Hazardous Waste Generation and Handling	Gulfport, MS
11-Feb-03	13-Feb-03	Emergency Planning and Community Right-To-Know (EPCRA) and Toxic Release Inventory (TRI) Reporting	San Diego, CA
25-Feb-03	27-Feb-03	Emergency Planning and Community Right-To-Know (EPCRA) and Toxic Release Inventory (TRI) Reporting	Norfolk, VA
25-Feb-03	26-Feb-03	Environmental Background Analysis	San Diego, CA
25-Feb-03	27-Feb-03	Health & Environmental Risk Communication Workshop	Washington DC
03-Mar-03	07-Mar-03	Environmental Quality Sampling	San Antonio, TX
03-Mar-03	03-Mar-03	RCRA Hazardous Waste Review	San Diego, CA
03-Mar-03	05-Mar-03	Environmental Compliance Assessment	Satellite Course
03-Mar-03	07-Mar-03	HAZWOPER for Uncontrolled Hazardous Waste Site Workers (e)	Washington DC
10-Mar-03	10-Mar-03	HAZWOPER for Uncontrolled Hazardous Waste Site Workers-Refresher (e)	Washington DC
11-Mar-03	14-Mar-03	Conducting Environmental Management System Reviews	Philadelphia, PA
11-Mar-03	11-Mar-03	HAZWOPER for Uncontrolled Hazardous Waste Site Workers-Refresher (e)	Washington DC
12-Mar-03	13-Mar-03	Remedy Selection and Closure	Norfolk, VA
18-Mar-03	20-Mar-03	Introduction to Cultural Resource Management Laws and Regulations	Columbia, SC

18-Mar-03	20-Mar-03	Conducting Environmental Management System Reviews	Norfolk, VA
18-Mar-03	20-Mar-03	Environmental Negotiation Workshop	Silverdale, WA
24-Mar-03	25-Mar-03	Environmental Geographic Information Systems	Honolulu, HI
26-Mar-03	27-Mar-03	Geostatistics	Honolulu, HI
01-Apr-03	01-Apr-03	HAZWOPER for Uncontrolled Hazardous Waste Site Workers- Refresher (e)	Norfolk, VA
03-Apr-03	03-Apr-03	RCRA Hazardous Waste Review	Newport, RI
03-Apr-03	03-Apr-03	HAZWOPER for Uncontrolled Hazardous Waste Site Workers- Refresher (e)	Philadelphia, PA
07-Apr-03	11-Apr-03	Hazardous Waste Facility Operators	Norfolk, VA
07-Apr-03	11-Apr-03	Pollution Prevention Program Operations and Management	Norfolk, VA
08-Apr-03	10-Apr-03	Munitions Response Site Management	Charleston, SC
08-Apr-03	10-Apr-03	Historic Preservation Law and Section 106 Compliance	Pensacola, FL
08-Apr-03	11-Apr-03	Environmental Protection (incorporates Final Governing Standards for Overseas Offerings)	Port Hueneme, CA
08-Apr-03	10-Apr-03	Conducting Environmental Management System Reviews	San Diego, CA
08-Apr-03	10-Apr-03	Human Health Risk Assessment	San Diego, CA
09-Apr-03	14-Apr-03	Overseas Hazardous Waste Facility Operations	Diego Garcia
14-Apr-03	14-Apr-03	RCRA Hazardous Waste Review	Norfolk, VA
22-Apr-03	24-Apr-03	Health & Environmental Risk Communication Workshop	San Antonio, TX

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MEET THE REC

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- i <https://www.denix.osd.mil/denix/DOD/News/Pubs/DER/02Jan03/12.doc.html>
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